USMC

SHOOTING TEAM

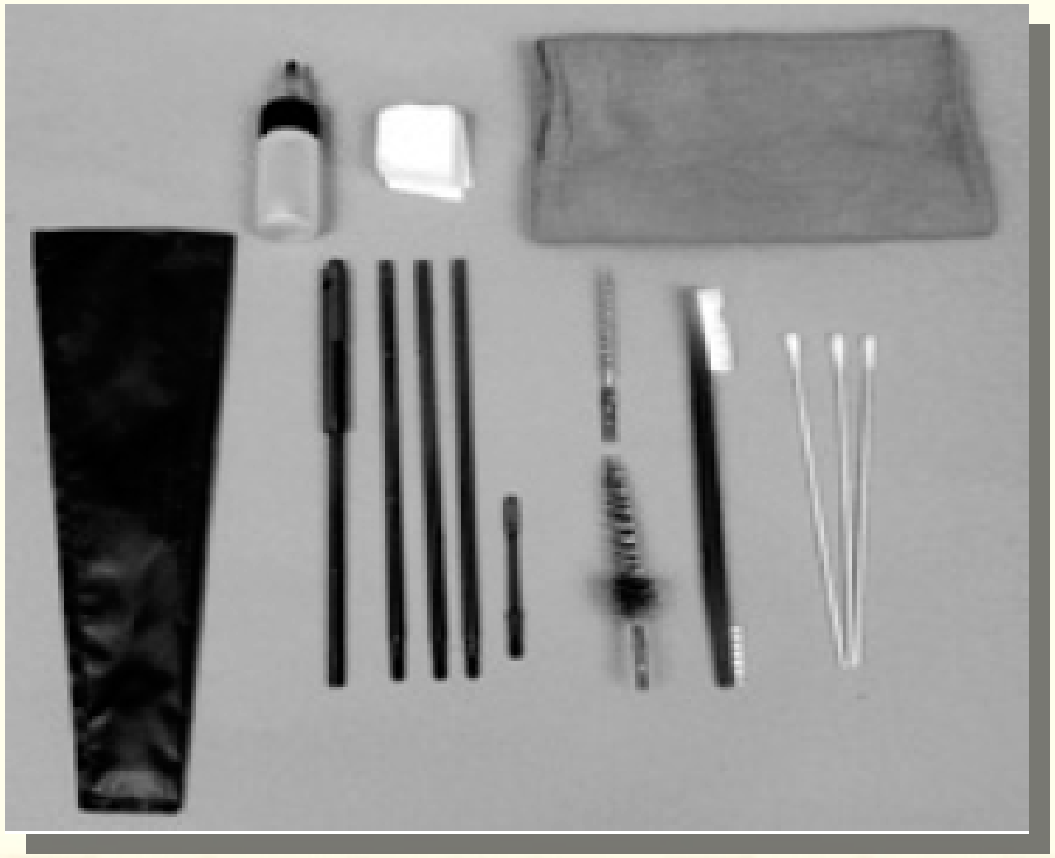
MAINTENANCE OF THE
SERVICE RIFLE

OVERVIEW

- Cleaning gear
- Maintenance
- Function check
- User serviceability inspection

CLEANING GEAR

- Case
- Rod handle
- Rod sections x 3
- Eyelet
- Bore brush
- Chamber brush
- AP brush
- CLP bottle
- Q-tips
- Patches
- Rags



MAINTENANCE OF THE SERVICE RIFLE

- Disassemble the rifle into the three major groups:
  - Upper receiver
  - Bolt carrier group
  - Lower receiver

MAINTENANCE OF THE SERVICE RIFLE (cont.)

- Wipe all metal surfaces using CLP and a rag. Wipe off excess CLP with rag when finished.
- Use the cleaning rods with the bore brush, chamber brush, and patches to punch and patch the bore, and clean the chamber.
- Punch the bore only in the direction the round travels.

MAINTENANCE OF THE SERVICE RIFLE (cont.)

- Once all cleaning is complete, apply light coat of lubrication to all exterior metal surfaces, generous lubrication to bolt carrier assembly, fire control group & all other steel parts.
- Reassemble weapon and perform function check.

FUNCTION CHECK

- Place weapon in Condition 4.
- Pull the charging handle to the rear and release. Ensure the selector lever is on safe and pull the trigger. The hammer should not fall.
- Place the selector lever on semi. Pull the trigger and hold it to the rear. The hammer should fall. Pull the charging handle to the rear and release. Release the trigger and pull again. The hammer should fall.

FUNCTION CHECK (cont.)

- Pull the charging handle to the rear and release. Place the selector lever on burst. Pull the trigger and hold it to the rear. The hammer should fall. Pull the charging handle to the rear three times and release. Release the trigger and pull again. The hammer should fall.
- Pull the charging handle to the rear and release. Place the selector lever on safe.
- Before firing the weapon, conduct a User Serviceability Inspection.

USER SERVICEABILTY INSPECTION

Place weapon in Condition 4 and perform the following checks:

- Compensator is tight.
- Barrel is tight.
- Barrel is clear of obstructions.
- Rails/handguards are serviceable.

Ensure the screw on the top aft portion of the rail is present and tight.

USER SERVICEABILTY INSPECTION (cont.)

- RCO is securely mounted to the rail system.
- No cracks or scratches on the optic lens.
- Fiber optic light collector is serviceable.

USER SERVICEABILTY INSPECTION (cont.)

- Protective caps are present and secure.
- Screws that attach the RCO to the rail are secure.
- RCO thumbscrews are mounted over the ejection port cover.

USER SERVICEABILTY INSPECTION (cont.)

- Gas tube is securely fixed.
- Gas tube (from the chamber end) is not bent or damaged and in uniform shape.
- Bolt carrier group is properly assembled, rotates freely, and the gas rings are staggered evenly around the bolt.

USER SERVICEABILTY INSPECTION (cont.)

- Pistol grip is tight.
- Trigger guard release pin is locked into place.
- Ejection port operates correctly.
- Stock is tight.
- Buffer tube is straight and not cracked.
- Weapon is properly lubricated for operational conditions.

USER SERVICEABILTY INSPECTION (cont.)

- Load the rifle with an empty magazine. Ensure the magazine is seated.

- Without depressing the bolt catch, pull the charging handle to the rear. Ensure that the bolt locks to the rear.

USER SERVICEABILTY INSPECTION (cont.)

- Depress the upper portion of the bolt catch and observe bolt moving forward on an empty chamber. Ensure the bolt moves completely forward and locks in the chamber.

- Repeat this procedure with all magazines.

USER SERVICEABILTY INSPECTION TIPS

- Do not shoot these weapons dry.
- If a magazine fails you, mark it and/or find a new magazine.
- Ensure bore is clear prior to firing.
- If you experience a stoppage and your weapon is excessively dirty/dry, you will not rate an alibi

QUESTIONS

SUMMARY

- Cleaning gear
- Maintenance
- Function check
- User serviceability inspection

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